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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/598,954	06/22/2000	Keita Hara	1248-0505P-SP	5181
75	90 09/20/2004		EXAMINER	
Birch Stewart Kolasch & Birch LLP			ZHENG, EVA Y	
P O Box 747 Falls Church, VA	Δ 22040-0747		ART UNIT	PAPER NUMBER
i ans church,	711 22040-0747		2634	
			DATE MAILED: 09/20/200-	4

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	ာဆုplicant(s)				
⊖ Office Action Summary	09/598,954	HARA ET AL.				
Onice Action Summary	Examiner	Art Unit				
The MAII INC DATE of this communication on	Eva Yi Zheng	2634				
The MAILING DATE of this communication ap Period for Reply	pears on the cover sheet w	ith the correspondence address -				
A SHORTENED STATUTORY PERIOD FOR REPL THE MAILING DATE OF THIS COMMUNICATION.  - Extensions of time may be available under the provisions of 37 CFR 1. after SIX (6) MONTHS from the mailing date of this communication.  - If the period for reply specified above is less than thirty (30) days, a reprise of the period for reply is specified above, the maximum statutory period Failure to reply within the set or extended period for reply will, by statut Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	136(a). In no event, however, may a bly within the statutory minimum of thi will apply and will expire SIX (6) MO e, cause the application to become A	reply be timely filed  rty (30) days will be considered timely.  NTHS from the mailing date of this communica  BANDONED (35 U.S.C. § 133).	ation.			
Status						
1) Responsive to communication(s) filed on 03 J	lune 2004.					
2a)⊠ This action is <b>FINAL</b> . 2b)☐ This	s action is non-final.					
3) Since this application is in condition for allowa	·	·	s is			
closed in accordance with the practice under	Ex parte Quayle, 1935 C.I	). 11, 453 O.G. 213.				
Disposition of Claims						
4) Claim(s) 1-23 is/are pending in the application	٦.					
4a) Of the above claim(s) is/are withdra	awn from consideration.					
5) Claim(s) is/are allowed.						
6)⊠ Claim(s) <u>1-23</u> is/are rejected.						
7) Claim(s) is/are objected to.						
8) Claim(s) are subject to restriction and/o	or election requirement.					
Application Papers						
9) The specification is objected to by the Examine	er.					
10)☐ The drawing(s) filed on is/are: a)☐ acc	10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.					
Applicant may not request that any objection to the		` '				
Replacement drawing sheet(s) including the correct						
11) ☐ The oath or declaration is objected to by the E	xaminer. Note the attache	d Office Action or form PTO-152	2.			
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of:		§ 119(a)-(d) or (f).				
<ol> <li>Certified copies of the priority documen</li> <li>Certified copies of the priority documen</li> </ol>		Application No.				
application from the International Burea		rreceived in this Mattorial Stage				
* See the attached detailed Office action for a list of the certified copies not received.						
Attachment(s)	<b>∧</b> □	O (DTO . 110)				
<ol> <li>Notice of References Cited (PTO-892)</li> <li>Notice of Draftsperson's Patent Drawing Review (PTO-948)</li> </ol>		Summary (PTO-413) (s)/Mail Date				
3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08 Paper No(s)/Mail Date 7.	5) Notice of 6) Other:	Informal Patent Application (PTO-152)				
S. Patent and Trademark Office	-/	<del>_</del>				

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### **DETAILED ACTION**

## Response to Arguments

- 1. Examiner's Objection to Abstract has been withdrawn due to amendment.
- 2. Examiner's Objection to Drawing has been withdrawn due to amendment.

# Claim Rejections - 35 USC § 112

- The following is a quotation of the second paragraph of 35 U.S.C. 112:
   The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.
- 4. Claims 1-23 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.
- A) Regarding claim 1, recitation: "previous stage unit circuit, following stage unit circuit, and final stage unit circuit" are undefined and thus confusing as to which part of the filter circuit does it refers to.
- a) For instance, on line 6-10, recitation: "said computing means......b) a coefficient predetermined for each of said computing means" is confusing since it looks like "a following stage unit circuit" refers to the final stage unit circuit, but Examiner can not be sure. Therefore, "a following stage unit circuit" is unclear and need specific definition.
- b) On line 13-15, recitation: "assign a value......to obtain an added value" is confusing since phrase: "previous stage unit circuit" was not introduced anywhere else before in the claim. Previous of what unit circuit? Previous of the first, the

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second, or the final stage unit circuit? What is the previous stage unit circuit of the first stage unit circuit?

- B) Regarding claim 2, it renders the same problems as described in claim 1. In addition, on line 18-19, phrase: "previous stage" is unclear for what it refers to, and therefore a cumulative value from where is confusing.
- C) Regarding claim 3, it renders the same problems as described in claim 1 and 2.
- D) Regarding claim 4, it renders the same problem as described in claim 1.
- E) Regarding claim 5, it renders the same problem as described in claim1.

- H) Regarding claim 23, it renders to the same problems as described in claim 22.

#### Conclusion

5. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP

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§ 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Eva Yi Zheng whose telephone number is (571) 272-3049. The examiner can normally be reached on 7:30-4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Stephen Chin can be reached on (571) 272-3056. The fax phone number for the organization where this application or proceeding is assigned is 703-879-9306.

## Any response to this action should be mailed to:

Commissioner of Patents and Trademarks

Washington, D.C. 20231

#### or faxed to:

(703) 872-9314 (for Technology Center 2600 only)

Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal Drive, Arlington, VA, Sixth Floor (Receptionist).

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Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Technology Center 2600 Customer Service Office whose telephone number is (703) 306-0377.

Eva Yi Zheng Examiner Art Unit 2634

September 10, 2004

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SHUWANG LIU PRIMARY EXAMINER